

List of All Chemicals

P Catharanthus lanceus (Apocynaceae)

Common name(s)

Lanceleaf Periwinkle

How used

Medicinal

*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

Chemical	Plant Part	Low PPM	High PPM	StdDev	*Reference
3,4-DIMETHOXYPHENYLACETAMIDE	Leaf	--	--		List, P.H. and Horhammer, L, Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
AJMALICINE	Root	--	--	*	
Activities (11)					
Adrenolytic	Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.				
Antiadrenergic	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.				
Antiaggregant					
Antidiuretic	Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.				
Antihypertensive	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
CNS-Depressant					
Cerebrocirculant	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
Circulotonic	Neuwinger, H. D. 1996. African Ethnobotany - Poisons and Drugs. Chapman & Hall, New York. 941 pp.				
Hypotensive	Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.				
Sympatholytic	Hansel, R., Keller, K., Rimpler, H., and Schneider, G. eds. 1992. Hager's Handbuch der Pharmazeutischen Praxis, Drogen (A-D), 1209 pp., 1993 (E-O), 970 pp., 1994 (P-Z), 1196 pp. Springer-Verlag, Berlin.				
Tranquilizer	Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.				
AMMOCALLINE	Root	--	--	*	
CATHALANCEINE	Root	--	--	*	
CATHANNEINE	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
CATHARANTHINE	Root	--	--	*	
Activities (2)					
Diuretic					
Hypoglycemic					
CATHARINE	Root	--	--	*	
CHATKAVINE	Plant	--	--		List, P.H. and Horhammer, L, Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
DESMETHOXY-HORHAMMERERININE	Root	--	--		List, P.H. and Horhammer, L, Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
HORHAMMERERICINE	Root	--	--		List, P.H. and Horhammer, L, Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
HORHAMMERERININE	Root	--	--		List, P.H. and Horhammer, L, Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
LANCEINE	Root	--	--	*	
LEUROSINE	Leaf	--	--	*	
Activities (2)					
Antitumor					
Hypoglycemic					
LOCHNERINE	Leaf	--	--	*	
Activities (1)					

PERICALLINE	Root	--	--	*
PERICYCLINE	Plant	--	--	J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
PERICYCLIVINE	Leaf	--	--	*
PERIFORMYLIN	Plant	--	--	List, P.H. and Horhammer, L, Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
PERIMIVINE	Root	--	--	*
PERIVINE	Root	--	--	*

Activities (5)

Anesthetic
Antipolio
Antitumor
Antiviral
Pesticide

Vlietinck, A.J. and Dommisse, R.A. eds. 1985. Advances in Medicinal Plant Research. Wiss. Verlag. Stuttgart.
Vlietinck, A.J. and Dommisse, R.A. eds. 1985. Advances in Medicinal Plant Research. Wiss. Verlag. Stuttgart.

TETRAHYDROALSTONINE	Leaf	--	--	*
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Activities (1)

Hypoglycemic

VINCOLINE	Root	--	--	*
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VINDOLINE	Leaf	--	--	*
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Activities (1)

Hypoglycemic

VINOSIDINE	Root	--	--	*
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YOHIMBINE	Plant	--	50000.0	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
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Activities (37)

Adrenergic-Blocker

Adrenolytic 2 mg/kg ivn rbt Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.

Adrenolytic 5 mg/kg ivn rat Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.

Adrenolytic 0.2 mg/kg ivn dog Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.

Anesthetic

Antiacyetylcholinesterase

Antianginal

Antiatherosclerotic

Antidepressant Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Antidiuretic Martindale's 28th

Antidopaminergic

Antidote (Barbiturate) 0.25 mg/kg ivn dog Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.

Antihypertensive

Antiketaminic 0.25 mg/kg ivn cat Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.

Antiparaesthesia 6 mg/3xdy/man/orl Martindale's 28th

Antiserotonin Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Anxiogenic

Aphrodisiac Williamson, E. M. and Evans, F. J. Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.

CNS-Depressant 8 mg/kg ivn rbt Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.

CNS-Depressant 5 mg/kg scu rat Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.

CNS-Depressant Williamson, E. M. and Evans, F. J. Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.

CNS-Stimulant

Calcium-Antagonist 3 uM rat

Cardiotonic Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.

Cardiovascular 1 mg/kg ivn rat Borchard, R. E., Barnes, C. D., and Eltherton, L. G. 1991. Drug Dosage in Laboratory Animals: A Handbook. (3rd Ed.) The Telford Press, Inc., P. O. Box 287, Caldwell NJ 07006.

Emetic	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Hypertensive 5 mg/man orI	
Hypothermic	
MAO-Inhibitor	
MDR-Inhibitor 10 uM	Bhat, U. G., et al. 1995. A Structure-Function Relationship Among Reserpine and Yohimbine Analogues in Their Ability to Increase Expression of MDR1 and P-Glycoprotein in a Human Colon Carcinoma Cell Line. <i>Mol Pharmacol</i> , 48(4): 682-689.
Mydriatic	Merck 11th Edition
Respirodepressant	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Respirostimulant	Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
Rhinoreic 20-30 mg/man	
Sialogogue 0.3 mg/kg ivn rat	
Tremorigenic	